

Exosuit Technology Solutions

Evolving Work. Improving Life.

BACK STRAIN: A PREVENTABLE WORKPLACE PROBLEM

Approximately

80% OF AMERICANS

experience back pain at some point in their lifetime.¹

More than

264 MILLION WORKDAYS

are lost each year because of back pain.²

that's two workdays for every full-time worker

OVEREXERTION WHILE MOVING OBJECTS

is the number one cause of injury for workers in the USA for the Logistics, Manufacturing, Retail, Wholesale, and Healthcare industries.

It costs businesses in the USA \$12.5 billion a year³

POWERED BY SCIENCE

Developed by Dr. Karl Zelik and his team at Vanderbilt University's biomechanics lab.

The most scientifically validated exosuit on the market: Backed by dozens of published peer-reviewed academic and commercial research studies.⁴



GLOBAL FOOTPRINT

Through both direct sales and a robust global partnership network,

HEROWEAR HAS PROVIDED EXOSUIT SOLUTIONS TO THOUSANDS OF USERS,

with a goal of reaching millions.

USER-CENTRIC

HeroWear puts a heavy emphasis on

USABILITY AND COMFORT FOR THE WORKERS THAT WEAR THEIR SUITS,

providing easy customization of each exosuit for each user. They also provide a training and change management program to support companies rolling out exosuits to their workforce.

DIVERSE INDUSTRIES SERVED

**LOGISTICS
MANUFACTURING
CPG
FOOD & BEVERAGE
MILITARY**



and more - including dozens of Fortune 100 companies around the world.

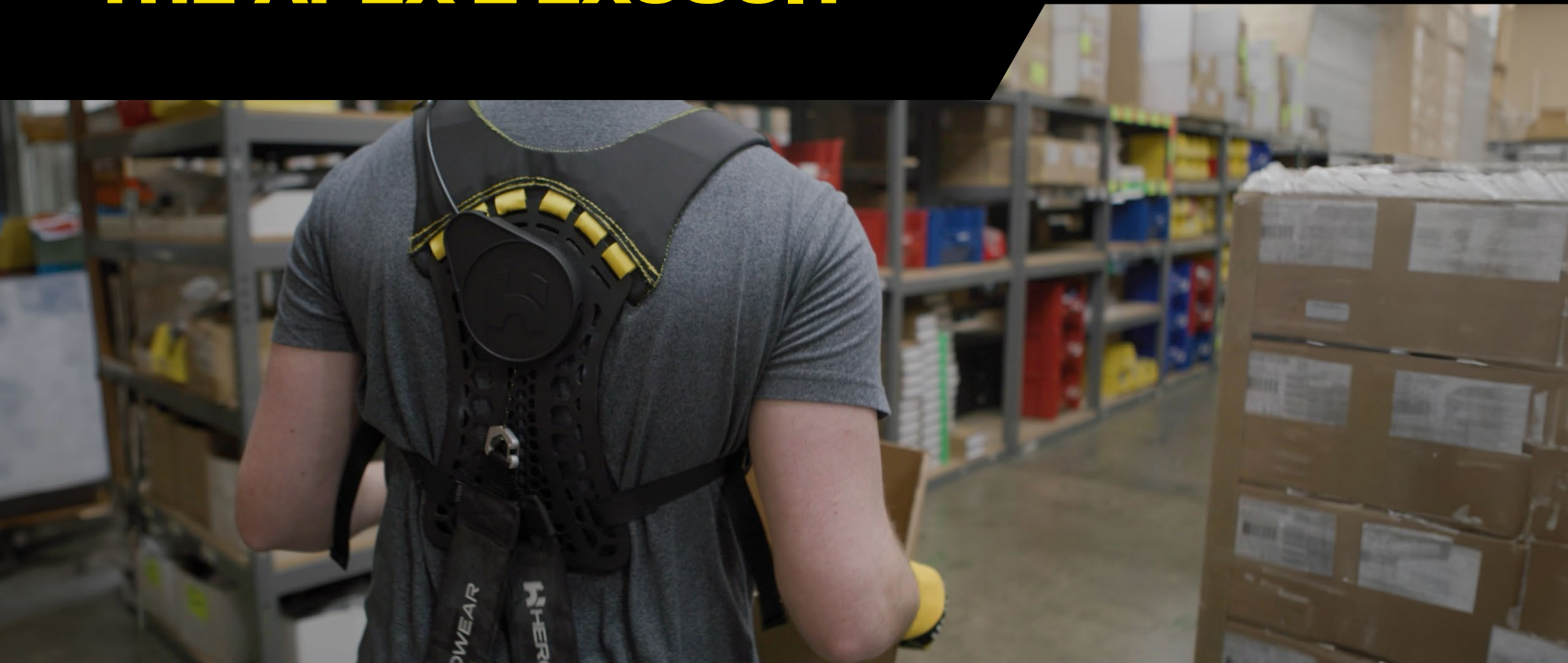
¹ <https://pubmed.ncbi.nlm.nih.gov/17445733/>

² https://www.boneandjointburden.org/docs/BMUS%20Impact%20of%20MSK%20on%20Americans%20booklet_4th%20Edition%20%282018%29.pdf

³ <https://business.libertymutual.com/insights/2024-workplace-safety-index/>

⁴ <https://HeroWearExo.com/science>

THE APEX 2 EXOSUIT



DESIGNED FOR COMFORT

MODULAR DESIGN THAT ALLOWS A CUSTOM FIT FOR EACH WORKER NO MATTER THEIR SIZE OR BODY TYPE.

We have fit users from 80 lbs to over 350lbs and from 4'10" to 7' 5"

AVERAGE OF 30% IMPROVEMENT

in work-related discomfort⁵

Studies and user surveys show

UP TO 40% REDUCED FATIGUE

Every lift

TAKES OFF 20-40% OF MUSCLE STRAIN

NO HEAVY MOTORS OR BATTERIES,

or challenging intent recognition - elastic assistance creates lighter-weight support (only 3 lbs) right when you need it



THREE SOURCES OF ROI

8% INCREASE

in productivity

SIGNIFICANT DECREASE

in injury risk

13% DECREASE

in employee turnover

Potentially yielding

COMBINED 36.9 X ROI OVER 5 YEARS,

saving more than

\$55K PER WORKER

Visit herowear.com/press-kit/ to learn more and see our references

 **HEROWEAR**

⁵ <https://herowear.com/exosuit-productivity-case-study-grocery-retailer/>